ABSTRACT OF THE DISCLOSURE

Methods and systems for reservoir targeting, the systems implementing methods comprising filtering a plurality of values in a three-dimensional model to eliminate values which are below a threshold to create a filtered three-dimensional model; developing a first matrix from the filtered three-dimensional model representing a two-dimensional model of the reservoir, wherein the first matrix includes a plurality of cell center locations, cell areas, and the plurality of values; developing a second matrix from the first matrix using a distance-weighted sum of the plurality of values; and selecting target locations from the second matrix based on the distance-weighted sum of the plurality of values.